



STATE OF WASHINGTON

DEPARTMENT OF ECOLOGY

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M E M O R A N D U M

February 14, 1983

TO: Dick Burkhalter; RCRA File

FROM: George Houck *George Houck*

SUBJECT: ITT Rayonier, Hoquiam: Chromium Wastes at Landfill

For the last 23 years, until August 1982, ITT Rayonier, Hoquiam has been sending waste material containing hexavalent chromium to the City of Hoquiam landfill along with other garbage. On February 2, 1983 ITT sent Region X, EPA a submittal in compliance with the Superfund Act regarding this matter. Schaaf informed me of this February 4.

Schaaf is sending me a copy of the submittal and testing results of the material and leachate etc.

Until the early fall of 1982, evidently, the ITT test method (a colourimetric method) had shown the material to contain a very small amount of hexavalent chromium. Testing thru the years has been by the Research Division in Shelton. With the publishing by EPA of the EP toxicity test of 40 CFR 261.24 - table 1, and testing methods specified under RCRA, ITT changed its test method. They found much higher Cr<sub>6</sub> concentrations, and they then stopped taking the material to the landfill and began installation of a recycle operation.

The waste material is from a silvachemical process making drilling mud additive. As a worst case, they estimate 280 tons of the material was taken to the landfill in bags over 23 years. Schaaf guessed at an average 0.2 percent concentration - very roughly. This would mean about a thousand pounds of Cr<sub>6</sub>.

ITT recently analyzed the collected leachate at the municipal landfill. The unfiltered leachate contained 0.45 ppm hexavalent chromium, while the filtered sample contained 0.06 ppm.

Greg Cloud of the Southwest Regional Office is presently working with the City of Hoquiam about inadequate treatment of leachate at the landfill and other problems. I'll be sending him copies of all the data I receive.

GH:lc

cc: Tim Nord

*BRITT*  
*I just got this*

DONALD W. MOOS  
Director

USEPA SF



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